OPERATING MANUAL

Hausted® Horizon® Series
Model 402EMB
Basic Transport Stretcher

(02/26/02) **076514**

A WORD FROM STERIS CORPORATION

This manual contains important information on proper use and maintenance of the Hausted Basic Transport Stretcher. **All personnel involved in the use and maintenance of this equipment must carefully review and comply with the warnings, cautions and instructions contained in this manual.** These instructions are important to protect the health and safety of personnel operating a Hausted Basic Transport Stretcher and should be retained in a conveniently accessible area for quick reference.

Complete instructions for uncrating and connecting utilities, as well as equipment drawings, have been furnished. If missing, contact STERIS for replacement copies, giving the serial number and model numbers of the unit.

STERIS carries a complete line of accessories for use with this stretcher. A STERIS representative will gladly review these with you.

Indications for Use

The Hausted Basic Transport Stretcher is intended for use in patient treatment, transport or recovery.

Service Information

A thorough preventive maintenance program is essential to safe and proper unit operation. This manual contains maintenance schedules and procedures which should be followed for satisfactory equipment performance.

You are encouraged to contact STERIS concerning our comprehensive Annual Maintenance Agreements. Under the terms of these agreements, preventive maintenance, adjustments, and replacement of worn parts are done on a scheduled basis to assure equipment performance at peak capability and to help avoid untimely or costly interruptions. STERIS maintains a global staff of well equipped, factory-trained technicians to provide this service, as well as expert repair services. Please contact your STERIS representative for details.

Advisory

A listing of the safety precautions to be observed when operating and servicing this equipment can be found in Section 1 of this manual. Do not operate or service the equipment until you have become familiar with this information.

Any alteration of this equipment not authorized or performed by STERIS Engineering Service which could affect its operation will void the warranty, could adversely affect sterilization efficacy, could violate national, state, and local regulations, and could jeopardize your insurance coverage.

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Equipment not suitable for use in the presence of a flammable anesthetic mixture with air or oxygen or nitrous oxide.

Manufactured Exclusively by STERIS Corporation Montgomery, AL	**ISO 9001 EN 46001 ISO 13485 Certified**

The base language of this document is ENGLISH. Any translations must be made from the base language document.

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LISTING OF WARNINGS AND CAUTIONS

1

The following is a listing of the safety precautions which must be observed when operating and servicing this equipment. WARNINGS indicate the potential for danger to personnel, and CAUTIONS indicate the potential for damage to equipment. These precautions are repeated (in whole or in part), where applicable, throughout the manual.

WARNING–LACERATION HAZARD:

⚠ When cutting bands always use a tool specifically designed for that purpose. This will help to avoid personal injuries frequently incurred when bands are cut and tension released.

WARNINGS – PERSONAL INJURY:

⚠ Do not sit on end – tipping may occur.

⚠ Be sure I.V. rod is inserted completely into socket up to the arrow before applying any load.

See Section 3 for the following Warnings:

WARNINGS – CAUTIONS AND PROPER OPERATION:

⚠ The stretchers have a warning label located near the head end stating: Maximum patient weight 226 Kilograms (500 lbs).

⚠ Patient entry, egress and transfer should always be done with the caster braking system locked.

⚠ The caster braking system should always be locked when patient is not in transport.

⚠ The caster braking system should always be locked and patient side rails up when patient is left unattended.

⚠ Always ensure that the side rail is locked before leaving patient unattended.

UNPACKING INSTRUCTIONS

2

IMPORTANT: Report any shipping damage immediately! Inform shipper of any damages – leave carton intact. Leave the Horizon Stretcher in the receiving area until inspection is complete.

Your Hausted Stretcher has been carefully packaged at our manufacturing plant to ensure safe shipment to you medical facility. There are several procedures you must follow to put your new Horizon Stretcher into service. These procedures only take a few minutes to complete and are required to ensure proper operation of the Horizon Stretcher.

WARNING – LACERATION HAZARD: When cutting bands always use a tool specifically designed for that purpose. This will help to avoid personal injuries frequently incurred when bands are cut and tension released.

Step 1 – Cut the two metal bands around the shipping carton.

Step 2 – Remove the top half of the carton and cut one side of the bottom half.

Step 3 – Remove the Horizon Stretcher from the carton. Cut the metal bands from around the stretcher.

Step 4 – Check to see if all features of the stretcher work properly. If all features work properly, go to step 5. If any of the features of the Horizon Stretcher do not work properly, call STERIS for service.

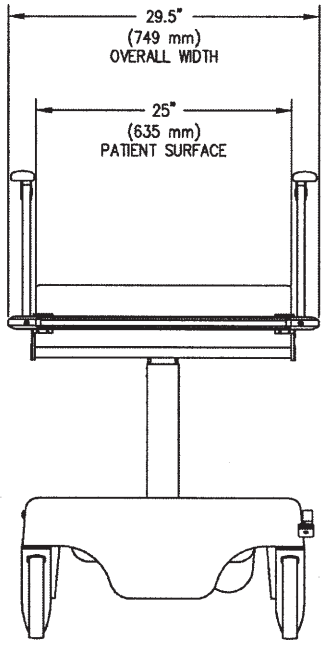
Step 5 – Clean the Horizon Stretcher using a mild detergent to remove any dirt accumulated during shipment.

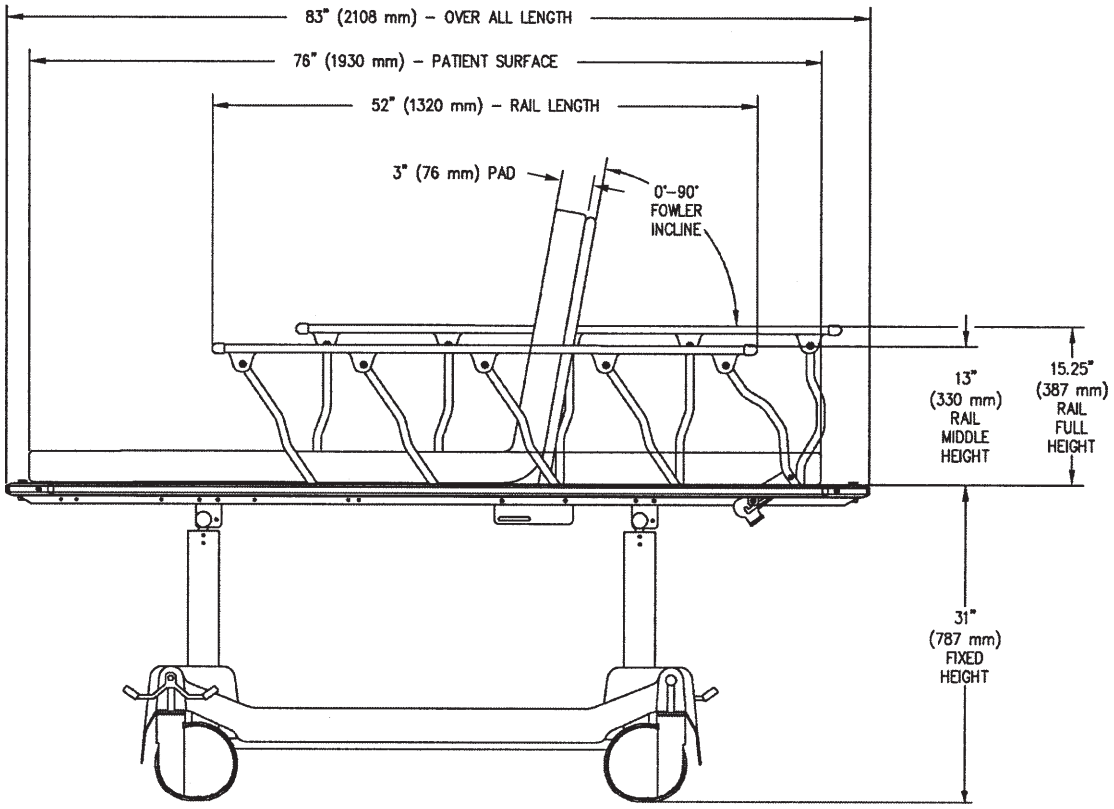
Step 6 – Place the stretcher into service.

3.1 Stretcher Specifications

WARNING – PERSONAL INJURY HAZARD: Maximum patient weight 226 Kilograms (500 lbs).

***NOTE**: All dimensions are specified in inches. All dimensions are +/- .375. STERIS reserves the right to change specificatioins without notice.*





3.2 Stretcher Features, Warnings – Cautions and Proper Operation

⚠ WARNINGS – CAUTIONS AND PROPER OPERATION:

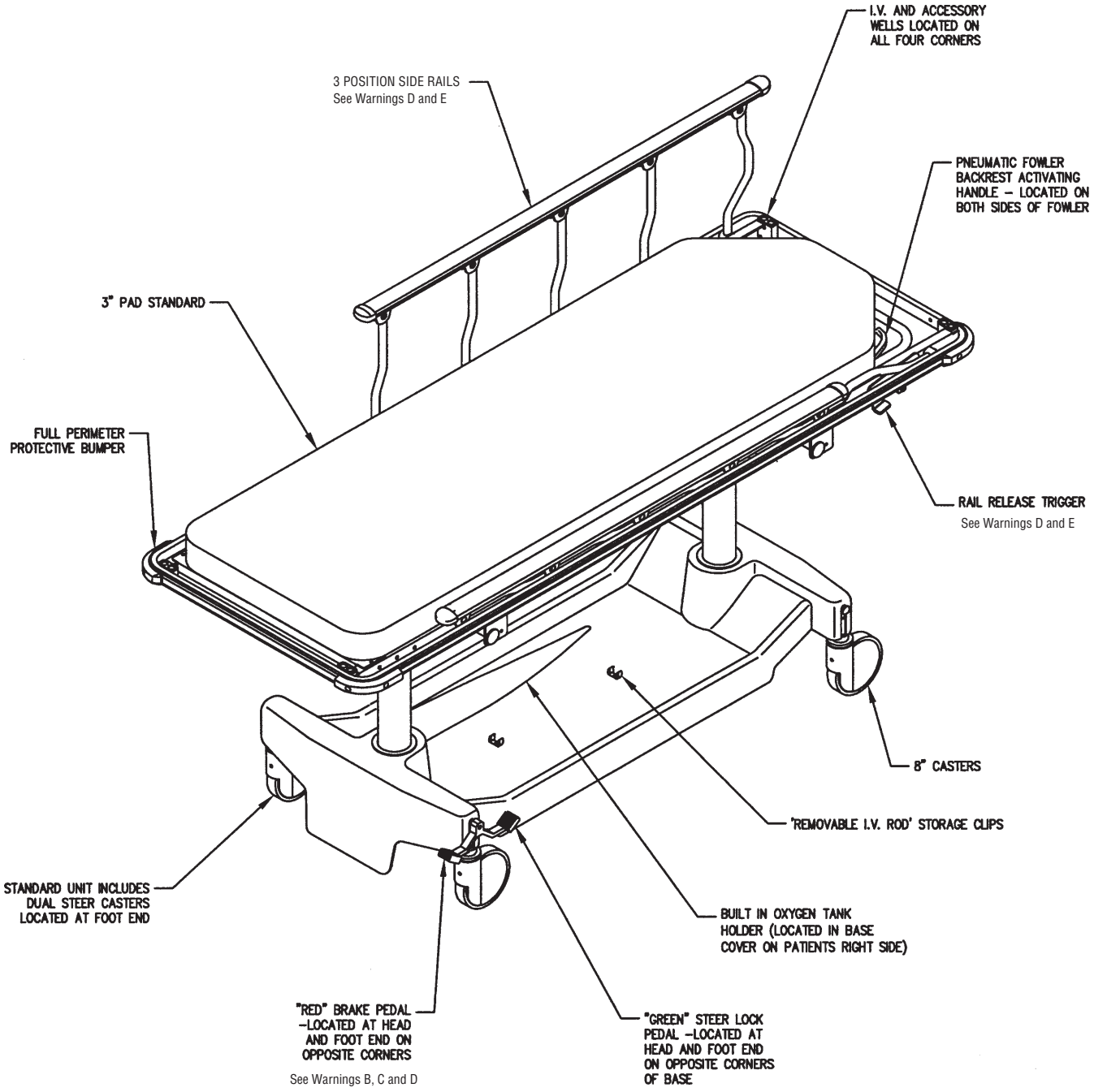
A- **The stretchers have a warning label located near the head end stating: Maximum patient weight 226 Kilograms (500 lbs).**

B- **Patient entry, egress and transfer should always be done with the caster braking system locked.**

C- **The caster braking system should always be locked when patient is not in transport.**

D- **The caster braking system should always be locked and patient side rails up when patient is left unattended.**

E- **Always ensure that the side rail is locked before leaving patient unattended.**


I.V. AND ACCESSORY WELLS LOCATED ON ALL FOUR CORNERS
3 POSITION SIDE RAILS
See Warnings D and E
PNEUMATIC FOWLER BACKREST ACTIVATING HANDLE – LOCATED ON BOTH SIDES OF FOWLER
3" PAD STANDARD
FULL PERIMETER PROTECTIVE BUMPER
RAIL RELEASE TRIGGER
See Warnings D and E
8" CASTERS
'REMOVABLE I.V. ROD' STORAGE CLIPS
STANDARD UNIT INCLUDES DUAL STEER CASTERS LOCATED AT FOOT END
BUILT IN OXYGEN TANK HOLDER (LOCATED IN BASE COVER ON PATIENTS RIGHT SIDE)
"RED" BRAKE PEDAL –LOCATED AT HEAD AND FOOT END ON OPPOSITE CORNERS
See Warnings B, C and D
"GREEN" STEER LOCK PEDAL –LOCATED AT HEAD AND FOOT END ON OPPOSITE CORNERS OF BASE

3.3 Braking And Steering Operation

3.3.1 Applying The Brakes

The four wheel central braking system is applied by depressing the red pedal on the head or foot ends (head end shown) of the stretcher (Figure 3-1). To fully engage the brakes, the pedal should be pressed to approximately 45°. All four caster wheels should be locked from swiveling and rotating.

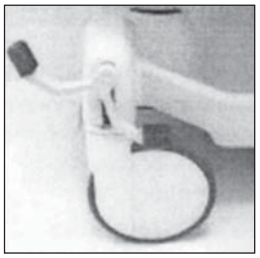


Figure 3-1

3.3.2 Releasing the Brakes

Depress the green pedal at any of the four corners of the unit, until the pedal is in a horizontal position (Figure 3-2). All four wheels should rotate and swivel freely.

⚠ CAUTION: the caster brake system should always be activated when unit is not in transport.

3.3.3 Applying the Steering Lock/Fifth Wheel

From either the head or foot end, depress the green pedal downward into locked position (Figure 3-3). Push the stretcher forward. Either both casters at the foot end will lock into a non-swivel mode, or the optional fifth wheel will lower and apply pressure to the floor. The steering lock or the fifth wheel will then guide the stretcher along a straight path with minimal steering effort by the attendant.

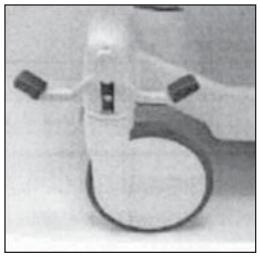


Figure 3-2

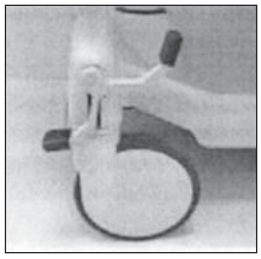


Figure 3-3

3.3.4 Releasing the Steering Lock/Fifth Wheel

Depress the red pedal at either the head or foot end until the pedal is in a horizontal position (Figure 3-2). All four wheels should rotate and swivel freely, and/or the optional fifth wheel will retract.

3.4 Fowler Backrest Operation

3.4.1 Raising the Backrest

Grasp the fowler backrest frame tube and the gas spring activating handle from either side of the stretcher (Figure 3-4). Squeeze the handle and the tube together and lift. Once the desired incline is achieved, release the handle.

NOTE: the amount of manual lifting required will vary depending on patient size, the gas spring is intended only to assist you in lifting the patient.

3.4.2 Lowering the Backrest

Grasp the fowler backrest frame tube and the gas spring activating handle from either side of the stretcher (Figure 3-4). Squeeze the handle and the tube together while supporting the fowler. Adjust the incline by either by slowly lowering the patient or by pressing the fowler down. Release the handle once desired incline is achieved.

NOTE: the amount of manual supporting required will vary depending on patient size, the gas spring is intended only to assist you in lowering the patient.

Figure 3-4

3.5 Retracto Rail Operation

CAUTION: Always be sure rail is locked in the full and upright position before leaving the patient unattended.

3.5.1 Raising the Rail

Grasp the rail top cap in the middle of the rail (Figure 3-5) and lift.

3.5.2 Placing the Rail at Half Height

Grasp the rail, lift up on the red trigger under the litter top (Figure 3-6) while lowering the rail. When rail starts to move down release trigger. Lower rail until it locks into half height position.

3.5.3 Lowering the Rail

Grasp the rail. Lift up on the red trigger under the top (Figure 3-6), while lowering the rail. Hold up on the rail trigger until the rail is all the way down.

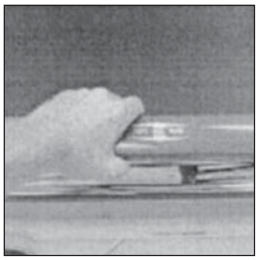


Figure 3-5

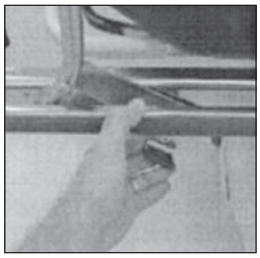


Figure 3-6

3.6 Permanently Mounted IV Rod Operation

WARNING– PERSONAL INJURY HAZARD: Be sure I.V. rod is inserted completely into socket, up to the arrow, before applying any load.

3.6.1 Putting I.V. Rod in Up Position

Grasp I.V. rod and rotate upward until it stops (Figure 3-7). Push down on I.V. rod until it slides firmly into the socket.

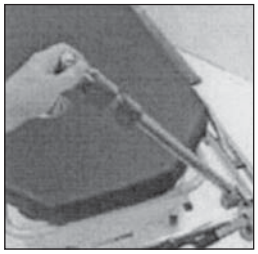


Figure 3-7

3.6.2 Extending I.V. Rod

Lift up on top of I.V. rod (Figure 3-8) until desired height is achieved.

Figure 3-8

3.6.3 Retracting I.V. Rod

Press button located in the plastic housing (Figure 3-9) and lower I.V. rod until desired height is achieved. Release button to hold desired position. Repeat process with second housing as required.

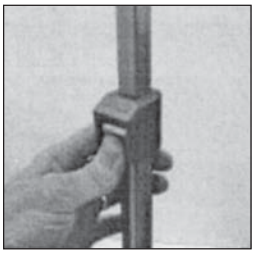


Figure 3-9

4.1 Theory of Operation

4.1.1 Caster Braking System

The Hausted caster system utilizes a system known as "The Four Wheel Brake and Steer System." Four casters are used, two each Brake and Swivel and two each Brake and Steer. The Brake and Steer caster's are located at the patients foot unless otherwise special ordered by the customer. The caster system can also be ordered with an optional Center Steering Caster (Center Track Steering/ Fifth Wheel - see below).

The system was designed for ease of use and patient safety. A series of levers are positioned at the both ends of the base to activate. One step on the green pedal cap engages steering. The system is designed to initially start pushing the unit from the head end and on your next step, all in one motion, push down the steer side of the shift lever. This locks the steer caster(s) in the "trailing position." If the unit is not initially pushed from the head end, it is possible for the steer caster(s) to lock 180 degrees opposite, causing a wobble.

The red side of the lever engages the brake. Push down on the red pedal pad and all four brakes are engaged. If the brakes are adjusted properly, with force you will be able to pull the tire past the brake shoe. If the brake is not adjusted to this specification, the unit will not stay in position, or the brake shoe will indent the tire causing a flat spot on the tire.

When all the levers are level, the caster system is in neutral. All casters are in the swivel mode. This position is used to push the unit from the side position to another unit for patient transfer.

4.1.2 Center Track Steering (If Equipped)

The Center Track Steering (fifth wheel) System used on the Horizon, utilizes a center wheel that contacts the floor when the steering lock (green) pedal is activated. The wheel is mounted to a fork under the unit, that is spring loaded and held above the floor while in either the brake or in neutral positions. When the steer lock (green) pedal is pressed, arms that are connected to the hex rods, rotate a cam positioned above the fifth wheel fork. The cam is rotated, forcing the center wheel to apply pressure to the floor.

4.1.3 Retracto Rail

The rail is designed to have a down position where the legs cradle over each other within the bumper channel and main frame of the top. The half position may be used for patient treatment while still allowing some patient protection, and full upright position for patient transport mode and while patient is unattended.

4.1.4 Pneumatic Fowler Backrest

The backrest uses a charged gas spring (pneumatic cylinder). Handles are located in the backrest that activate the cylinder. This cylinder assists the attending personnel for patient positioning.

4.2 Operator Trouble Shooting Guide

SYMPTOMS	CAUSE	RESOLUTION
Casters		
Unit will not track straight down hallway	Unit is not locked into the Steer / Lock position or casters are dirty.	Push green side of shift lever down. Clean debris from casters.
Unit slides when going around comers	Steer lock caster(s) or fifth wheel are dirty.	Clean steer caster tire or fifth wheel (if equipped) tire.
Unit moves during treatment	Unit is not locked into the Brake position or casters are dirty.	Push red side of shift lever down. Clean debris from casters.
Backrest		
Backrest raises on its own without a patient or descends with a patient	Activation handle is stuck in the activated position.	Check for obstruction (pad, sheet) that would prevent handle from returning to the released position.
Backrest will not raise	Activation handle is stuck in the released position.	Check for obstruction that would prevent handle from activating.
Rails		
Rail will not stay up	Rail latch is not locking properly	Check for obstruction at latch (pad, sheet)
Rail will not release	Rail latch Stuck and will not release rail.	Lift slightly on rail to prevent bind.

***IMPORTANT NOTE**: STRETCHERS ARE TO BE SERVICED BY QUALIFIED PERSONNEL ONLY. If the resolutions listed above do not resolve the problem or if the problem you are experiencing is not listed above, contact STERIS for service at 1-800-333-8828 (Be sure to have stretchermodel and serial number ready).*

4.3 Service Troubleshooting (For Service Technicians)

Caster Braking System

Casters do not hold in brake mode	a. Check adjustment of the brake as per *Adjustment Instructions* in Section 5.3.1. b. Replace faulty caster (see *Caster Replacement Instructions* in Section 5.3.3).
Steer lock casters do not engage or disengage	a. Check adjustment of the steering lock casters as per *Adjustment Instructions* in Section 5.3.2. b. Replace faulty caster (see *Caster Replacement Instructions* in Section 5.3.3).
Brake/Steer Shift lever is hard to activate	a. Lift cover off of unit and add 3 to 5 drops of light machine oil on top of the caster stems on each caster. Shift levers from brake to steer mutiple times to work in oil. *NOTE: Be sure not to get oil on the wheel of the caster.* b. Make sure that the brake hex rod linkages are in line and the cam levers are tight on the hex rod. The eye bolts must be positioned so that the hex rods are not binding or flexing. Make sure grease Is used where the eye bolts and hex rods rub together to prevent wear.

Retracto Rail

Rail will not stay up	a. Check to insure rail latch shoulder bolt is installed b. Replace lock plate (see *Removing/Replacing Rail Latch Instructions* in Section 5.4.4).

Fowler Backrest

Backrest will not raise when gas spring is activated	a. Check adjustment of the pneumatic gas spring as per *Adjustment Instructions* in Section 5.4.1. b. Replace faulty pneumatic cylinder (see *Removing/Replacing Gas Spring* in Section 5.4.2).
Backrest raises on its own without a patient or descends with a patient	a. Check adjustment of the pneumatic gas spring as per *Adjustment Instructions* in Section 5.4.1. b. Replace faulty pneumatic cylinder (see *Removing/Replacing Gas Spring* in Section 5.4.2).

CAUTION: Steam cleaning of stretcher is not recommended and can void warranty.

***NOTE**: Steam cleaning and pressure washing of stretcher is not recommended and can void warranty.*

Component	Cleaning Procedure	Schedule	Cleaning Agent	Special Notes
Pads and Mattresses	Wipe with damp cloth to remove any foreign materials	After Each Use	Routine Hospital Grade Disinfectants, Soap and Water	• Use only medium strength cleaners • Do not steam clean or pressure wash
Stretcher	Wipe with damp cloth to remove any foreign materials.	After each use	Routine hospital grade disinfectants, soap and water	• Lubricate pivot points after washing
Accessories	Wipe with damp cloth to remove any foreign materials.	After each use	Routine hospital grade disinfectants, soap and water	• Lubricate pivot points after washing

5.1 Recommended Cleaning Instructions

Procedure	Schedule	Material
Lubricate all moving and sliding parts and hinge points.	3 Months	Lubricating oil, light-duty grease, wax stick lubricant or graphite lubricant.
Never Lubricate Gas Spring, Shafts		
Inspect all fasteners to ensure proper fit, position and tightness (including nuts, bolts, etc.).	3 Months	Proper size wrench and screwdriver.
Inspect all surfaces and remove any user developed sharp or burred areas. Apply touch-up where required.	3 Months	Metal File, proper color paint (specify color when ordering).

For more details information, please contact:

STERIS Corporation at:

1-800-333-8828

5.2 Service Preventive Maintenance Checklist

5.2.1 Reference Chart Intended For Service Technicians

Description		Freq.
1.0	PREPARATION FOR PREVENTIVE MAINTENANCE	
1.1	Discuss equipment with operators	Each
2.0	GENERAL INSPECTION	
2.1	Verify that all fasteners are secure.	Each
2.2	Check weld integrity - frame, columns, top assembly, accessories.	Each
2.3	Check for scratches or peeling on painted surfaces.	Each
2.4	Check tabletop for any excessive horizontal or vertical play.	Each
3.0	CASTERS, STEERING AND BRAKING SYSTEM	
3.1	Check / clean caster wheels.	Each
3.2	Lubricate caster stems, eye bolts, linkages, using 3-5 drops of oil. Note: Be sure not to get oil on the wheel of the caster.	A/R
3.3	Replace brake (red) and steer (green) pedal pads.	A/R
3.4	Verify operation of steer, neutral and brake functions.	Each
3.5	Fifth Wheel (if equipped) - Verify proper operation in brake (wheel off floor), neutral (wheel off floor) and steer (wheel on floor) positions,	Each
4.0	PATIENT SIDE RAILS	
4.1	Check rail fasteners.	Each
4.2	Verify that the rail locks in the upright and half height positions.	Each
5.0	FOWLER BACKREST	
5.1	Check fowler pivot pins.	Each
5.2	Verify that pneumatic fowlers stay when handles are released and that fowler is not spongy.	Each
6.0	ACCESSORIES	
6.1	Verify that all accessories are not broken or damaged and can be securely attached.	Each
7.0	FINAL TESTING	
7.1	Secure all covers and shrouds.	Each
7.2	Reinstall any pads and accessories that were removed. Inspect pads for rips, tears, etc	Each
7.3	Check area to insure removal of all materials used during inspection.	Each
7.4	Notify customer that PM inspection is complete.	Each

5.3 Caster Braking System Maintenance

5.3.1 Adjusting The Caster Brakes

See Base Assembly Parts List in Section 7.

Tools Required: Small straight bladed screwdriver

1. Using the screwdriver, knock out the small plastic plug on the back of the caster (Items 2 and/or 3).
2. Place the braking system in the neutral position.
3. Insert the screwdriver into the hole in the back of the caster created in step #1. Rotate the adjustment screw clockwise to increase the brake tension and counter clockwise to decrease brake pressure.
4. With the brake properly adjusted, the brake should allow the tire to rotate with force. If the brake is over adjusted, it will release with very little effort (Bumped under normal operating conditions).

NOTE: Preventive maintenance – apply 3-5 drops of oil in top of stem.

NOTE: Be sure not to get oil on the wheel of the caster.

5.3.2 Adjusting The Caster Steer-Lock

See Base Assembly Parts List in Section 7.

1. The steer lock casters on the 402 are not adjustable, if the steer lock function is not working properly, replace the faulty caster.

5.3.3 Removing/Replacing Casters

See Base Assembly Parts List in Section 7.

1. Raise the plastic base cover (Item 27) and tie to top with bungy cord.
2. Place the braking system in brake mode.
3. Remove either the starlock cap (Item 17) or the brake pedal assembly (Item 12 or 13) next to the caster being removed.
4. Loosen the lock collar (Item 15) on the hex rod, opposite the caster being removed, and loosen brake rod cam (Item 10) set screw.
5. With a blunt end punch and hammer, knock the hex rod (Item 11) out of the top of the caster being removed.
6. Using a screwdriver, bend the tabs away from the caster bolt lock plates (Item 4) then remove the two caster bolts (Item 5).
7. Drop caster from frame (Item 1).
8. Locate the new caster (red top brake, green top steer). With the 7/16" hex Allen wrench, lock new caster in brake mode, taking note of the position for the hex relative to the hex rod.
9. Reinstall caster by reversing steps 1-6.
10. Using instant adhesive, glue rubber grommet (Item 22) on top of new caster.

5.4 Fowler Backrest And Retracto Rail Maintenance

5.4.1 Adjusting The Gas Spring

See Fowler Parts List in Section 7.

1. Raise the fowler backrest all the way up.
2. Loosen the lock collar assembly (Item 19) set screw (Item 20).
3. Place cloth on gas spring shaft and clamp vice grips onto shaft (be sure not to damage gas spring shaft).
4. Rotate to the shaft to the right to increase gas spring activation (gas spring will not raise or lower when handle is activated) or to the left to decrease activation (if gas spring lowers with weight or raises without wait by itself).
5. Place flat angle of lock collar assembly (Item 19) over one flat on the gas spring nut, apply blue thread locker to set screw (Item 20) and tighten lock collar assembly (Item 19) set screw (Item 20).

5.4.2 Removing/Replacing The Gas Spring

WARNING: Do not activate pneumatic gas spring when it is off unit.

See Fowler Parts List in Section 7.

1. Raise fowler backrest to approximately 60 degrees.
2. Loosen set screw (Item 20) on lock collar assembly (Item 19).
3. Loosen gas spring nut (Item 33).
4. Remove rue-clip (Item 32) from hinge pin (Item 31).
5. Remove hinge pin (Item 31).
6. Remove gas spring nut (Item 33).
7. Remove gas spring (Item 30), make sure actuating pin (Item 36) did not fall out.
8. Unscrew pivot ball (Item 35) from end of gas spring.
9. Remove ball retainer (Item 34), gas spring nut (Item 33) and lock collar assembly (Item 19).
10. Install lock collar assembly (Item 19), gas spring nut (Item 33), ball retainer (Item 34) and (Item 35) pivot ball (screw on until top of ball is flush with gas spring activation pin) onto new gas spring.
11. Insert assembled gas spring into fowler assembly (Item 21).
12. Reinstall hinge pin (Item 31) and rue-clip (Item 32).
13. Tighten gas spring nut (Item 33).

NOTE: Be sure to apply removable thread locker to threads.

14. Inspect for proper operation (see Section 5.4.1, *Adjusting The Gas Spring*).
15. Place flat angle of lock collar assembly (Item 19) over one flat on the gas spring nut, apply blue thread locker to set screw (Item 20) and tighten lock collar assembly (Item 19) set screw (Item 20).

5.4.3 Removing/Replacing The Rail

See Rail Parts List in Section 7.

1. Remove bumpers from top channel (Item 10 on page 7-6) along side of rail being removed.
2. With rail up, locate leg rockers and remove all bolts (Item 8) and nuts (Item 17) except center leg. Discard lock nuts.
3. Remove latch plate screw (Item 9) from rail lock leg (Item 10).
4. Grab rail top (Item 1) and remove center bolt.
5. Lift rail out of the top.
6. Reverse steps 1-5 to install new rail – be sure to use new lock nuts (Item 17).
7. To check for proper adjustment, raise rail to 30 degrees. Rail should descend fall at a controlled rate from this position.
8. Reinstall or replace bumper.

5.4.4 Removing/Replacing The Rail Latch

See Rail Parts List in Section 7.

1. With rail in up position, remove latch plate screw (Item 9) holding latch into lock leg (Item 10).
2. Remove the lock position shoulder bolt (Item 16).
3. Lift latch (Item 11 or 12) out from top.
4. Reverse steps 1-4 to install new latch (use removable thread locker on screw holding lock plate to rail leg).

Pads And Mattresses

Number	Description
031654-60	Mattress, 2" (50.8 mm) x 24.5" (622.3 mm) x 76" (1930.4 mm) conductive foam
031655-60	Mattress, 3" (76.2 mm) x 24.5" (622.3 mm) x 76" (1930.4 mm) conductive foam
061893-60	PressurCare Mattress, 4" (101.6 mm) x 24.5" (622.3 mm) x 76" (1930.4 mm) conductive foam
068921-60	Enhanced PressurCare Mattress, 5" (127 mm) x 24.5" (622.3 mm) x 76" (1930.4 mm) covered with Fusion II material, hunter green
069200-00	“Slick” Patient Transfer system, 4" (101.6mm) x 24.5" (622.3 mm) x 76" (1930.4 mm) 2 parts, 1 transfer mattress and 3" base mattress

Patient Rest

Number	Description
000012-00	Restraint strap with buckle (Qty. 1)
000014-00	Restraint strap with Velcro (Qty. 1)

Head / Foot Boards

Number	Description
00006B-00	Head/foot board, stationary
00007B-00	Extension head / foot board
OOCR6B-00	Head/foot board, stationary w/ chart rack
OOCR7B-00	Extension head / foot board w/ chart rack

Monitor Shelve

Number	Description
00N45-00	Monitor shelf, removable, folding
065765-00	Head/foot board monitor shelf w/chart rack
068836-00	Extension head/foot board monitor shelf w/chart rack
133170-00	Under fowler utility tray (stainless steel)

IV Poles And IV Accessories

Number	Description
000018-00	Telescoping IV pole, 3 section, removable, stainless steel – 27" (685.8 mm) to 54" (1371.6 m m)
128770-00	Telescoping IV pole, 3 section, removable, stainless steel – 27" (685.8 mm) to 54" (1371.6 mm) permanently attached w/cable
000E17-00	Fixed IV pole, removable, stainless steel – 42" (61066.8 mm)
066RR0-00	Telescoping IV pole, 3 section, permanently attached at head end – 21" (533.4 mm) to 45” (1143mm) – 1" (25.4 mm) dia. lower tube
133380-00	Telescoping IV pole, 3 section, permanently attached at foot end – 21" (533.4 mm) to 45” (1143 mm) – 1" (25.4 mm) dia. lower tube
065897-00	Mobile IV stand attachment

It is recommended that only STERIS approved accessories be used with this device

To order accessories or for more detailed information on accessories please contact customer service at STERIS 1-800-333-8828.

Miscellaneous

Number	Description
076334-00	Armboard w/2" (50.8 mm) pad and surgical mounting adapter
065366-00	Universal patient tray
075656-00	Push handles, self storing
076533-00	Center track steering system (Fifth wheel)
069257-00	Paper roll holder
128450-00	Vertical O_2 tank holder
128840-00	Drainage bag hooks (pair)
131934-00	Burgundy color bumpers and pin striping
131935-00	Teal color bumpers and pin striping
131936-00	Plum color bumpers and pin striping

RECOMMENDED REPLACEMENT PARTS

7

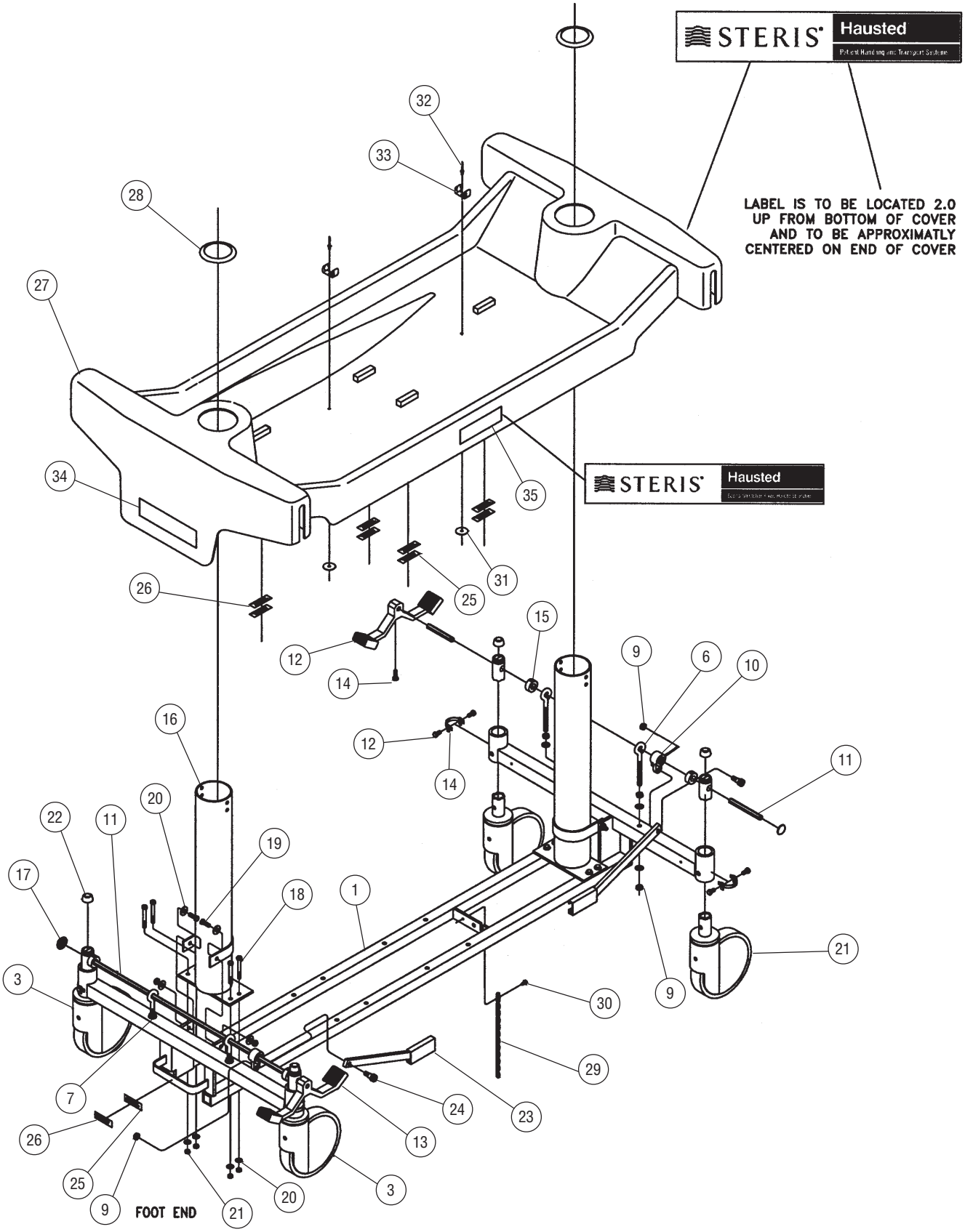


Figure 7-1. Base Assembly

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-1			**BASE ASSEMBLY**	**X**
1	076506		ASSEMBLY, Base Frame	
2	076504		CASTER, Tente, 8" Plastic, Brake	
3	076503		CASTER, Tente, 8" Plastic, Swivel Lock	
4	062659		PLATE, Caster Bolt Lock	
5	062685		SCREW, Hex Head, M8 x 1.25 x 12.00" Long	
6	065041		BOLT, Eye, 5/16 -18	
7	031058		NUT, Free Thread, 5/16"	
8	031080		WASHER, Flat, 5/16"	
9	031057		NUT, Lock, 5/16"	
10	062684		LEVER, Cam	
11	065056		ROD, Hex Brake	
12	066507		ASSEMBLY, Left Brake Pedal	
13	066508		ASSEMBLY, Right Brake Pedal	
14	031101		SCREW, Hex Cap, w/Nylon, 1/4 -20 x 3/4" Long	
15	011422		COLLAR, Worm	
16	P76508		COLUMN, Fixed Height	
17	062683		CAP, Starlock	
18	035122		SCREW, Hex Head, 1/4-20 X 1-5/8" Long	
19	031137		SCREW, Hex Head, 1/4-20 X 3/4" Long	
20	031076		WASHER, Flat, USS, 1/4"	
21	031055		NUT, Lock, 1/4-20	
22	031156		BUMPER	
23	068329		LINK, Brake Rod	
24	065807		BOLT, Shoulder, 3/8" x 3/8"	
25	068513		HOOK, Velcro, 2.0" x 5/8"	
26	068512		PILE, Velcro, 2.0" x 5/8"	
27	068208		COVER, Top, Horizon Base	
28	076511		COLLAR, Column	
29	062378		CHAIN, Anti-Static	
30	031416		SCREW, Self Tapping, #10-24 X 1/2"	
31	000787		WASHER, 1", 13 Ga	
32	000794		RIVET, Pop	
33	062080		CLIP, Broom	
34	075831		LABEL, Base End	
35	075843		LABEL, Economy	

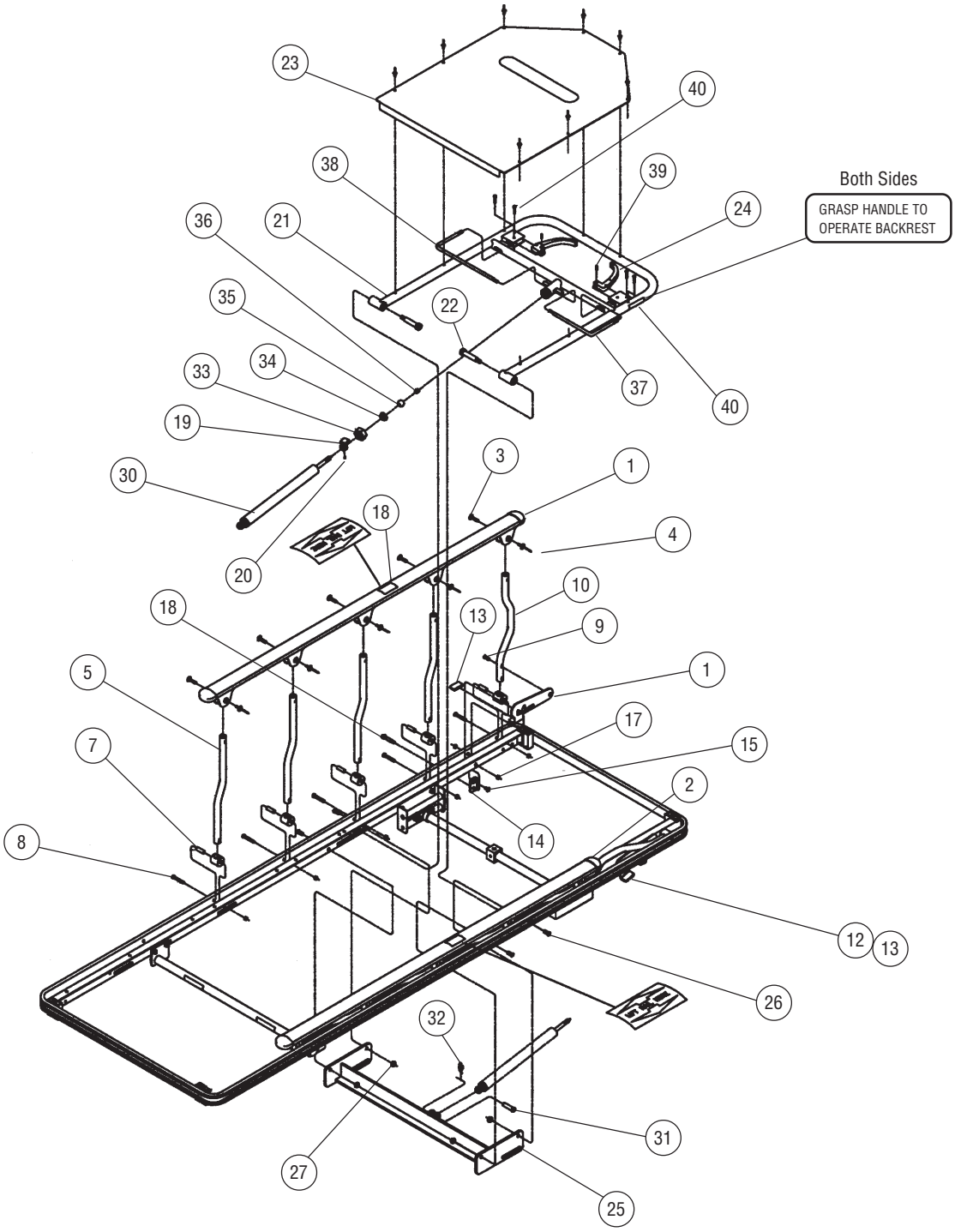


Figure 7-2. Fowler and Rail Assembly

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-2			**FOWLER AND RAIL ASSEMBLY**	**X**
1	076517		ASSEMBLY, Top Cap, 5 Leg, Left	1
2	076516		ASSEMBLY, Top Cap, 5 Leg, Right	1
3	068866		RIVET, Cherry, Female End	10
4	068866		RIVET, Cherry, Male End	10
5	068882		LEG, Offset	8
6	035137		ROCKER	10
7	035138		SPACER	10
8	035122		SCREW, Hex Head Cap, 1/4-20 x 1-5/8" Long	
9	062038		SCREW, Button Head Scoket, 1/4-20 x 3/4" Long	2
10	068883		LEG, Lock	2
11	065432		PLATE, Lock, Left	1
12	065433		PLATE, Lock, Right	1
13	068677		CAP, End (for replacement only)	4
14	068196		SUPPORT, Retracto Rail Plate	2
15	031004		SCREW, Hex Head Cap, 1/4-20 x 1/2" Long	2
16	066617		BOLT, Shoulder, 5/16 x 1-1/4" Long	2
17	031055		NUT, Lock, 1/4-20	14
18	035596		LABEL, Rail Lift	2
19	075403		COLLAR, Cableless Fowler Lock	1
20	075410		SCREW, Knurled Cup Point Set, M5 x 5" Long	1
21	P68907		WELDMENT, Fowler Backrest	1
22	062037		BOLT, Shoulder, 1/2" x 2.0" Long	2
23	065855		SHEET, Fowler Cover	1
24	060530		HANDLE, Fowler	2
25	068917		ASSEMBLY, Gas Spring Anchor	1
26	067292		SCREW, Button Head Socket, 5/16-18 x 3/4" Long	4
27	031057		NUT, Lock, 5/16-18	4
28	000794		RIVET, Pop, 3/16" x .45" Long	8
29	031212		HOOK, Velcro	1
30	067287		SPRING, Gas	1
31	075627		PIN, Gas Spring Hinge	1
32	065258		CLIP, Rue, 3/8"	1
33	068437		NUT, Gas Spring	1
34	068438		RETAINER, Ball	1
35	068438		BALL, Pivot	1
36	068441		PIN, Artuating	1
37	068908		ROD, Short Release	1
38	068909		ROD, Long Release	1
39	066547		PIN, Clevis, 3/16" x 7/8"	4
41	062654		LABEL, Fowler Lift	2

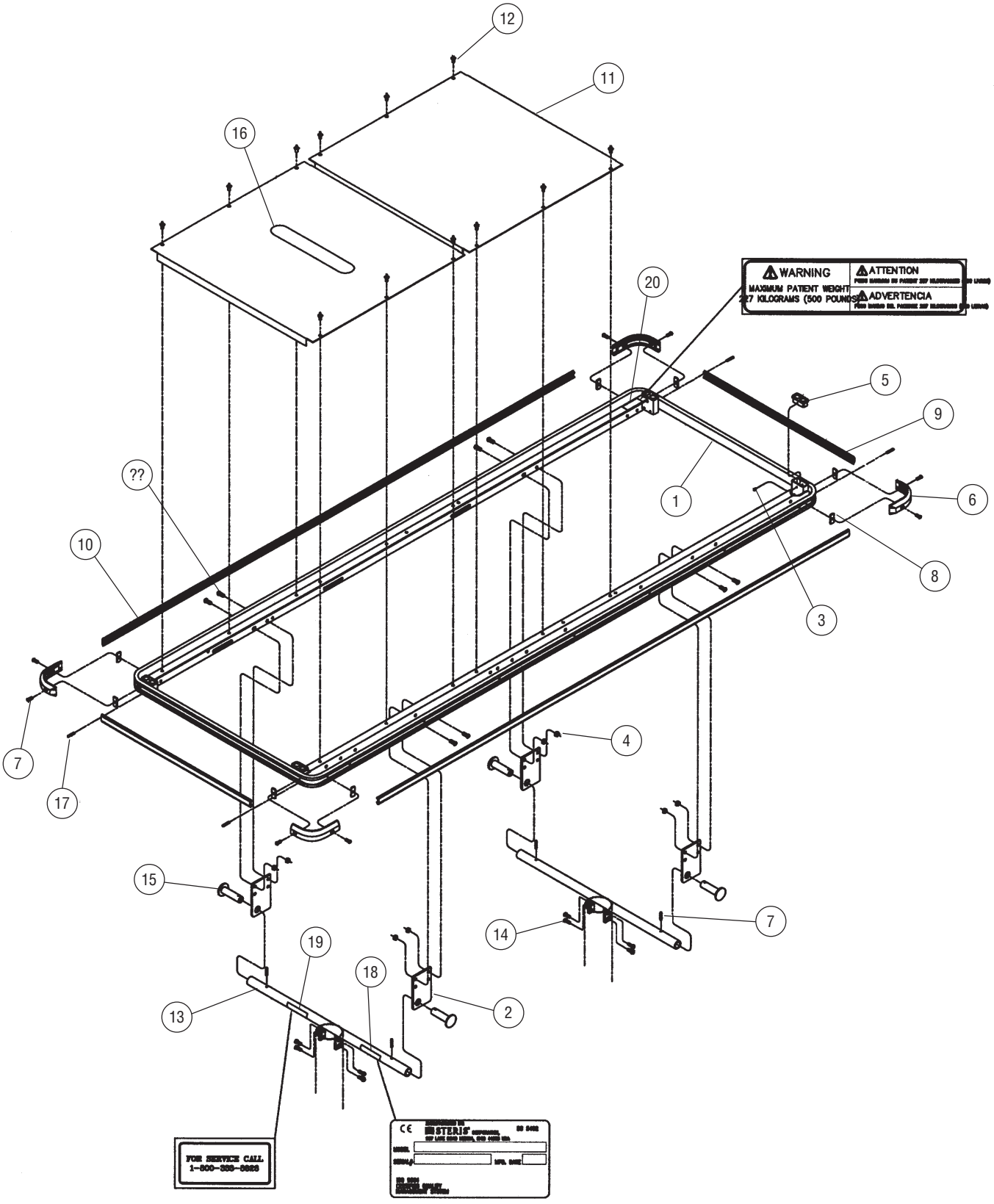


Figure 7-3. Top Assembly

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-3			**TOP ASSEMBLY**	**X**
1	075399		WELDMENT, Top	1
2	065509		MOUNTING, Bracket Crosstube	4
3	075229		CLIP, Arrow Nylon, 1/8"	4
4	031057		NUT, Lock, 5/16-18	8
5	075226		CAP, I.V. Well Top	4
6	067958		BUMPER, Corner	4
7	061195		SCREW, Button Head Scoket, 1/4-20 x 5/8" Long	8
8	031455		NUT, Channel	8
9	068154		EXTRUSION, End Bumper, Gray	2
	13193M		EXTRUSION, End Bumper, Burgandy	2
	13193N		EXTRUSION, End Bumper, Teal	2
	13193P		EXTRUSION, End Bumper, Purple	2
10	067959		EXTRUSION, Side Bumper, Gray	2
	067960		EXTRUSION, Side Bumper, Burgandy	2
	067961		EXTRUSION, Side Bumper, Teal	2
	067964		EXTRUSION, Side Bumper, Purple	2
11	065057		PAN, Top Sheet	2
12	055213		RIVET, 1/4" x 1/2" Long	12
13	076505		CROSSTUBE, Fixed Height	2
14	031101		SCREW, Hex Head w/Patch, 1/4-20 x 3/4" Long	8
15	062073		PLUG, Crosstube	4
16	031312		HOOK, Velcro	1
17	031118		PIN, Spring, 3/6" x 1.0" Long	8
18	031457		LABEL, Serial Number	1
19	063022		LABEL, Service	1
20	075490		LABEL, Maximum Patient Weight	1
21	031655	60	PAD, 3" (Not Shown)	1

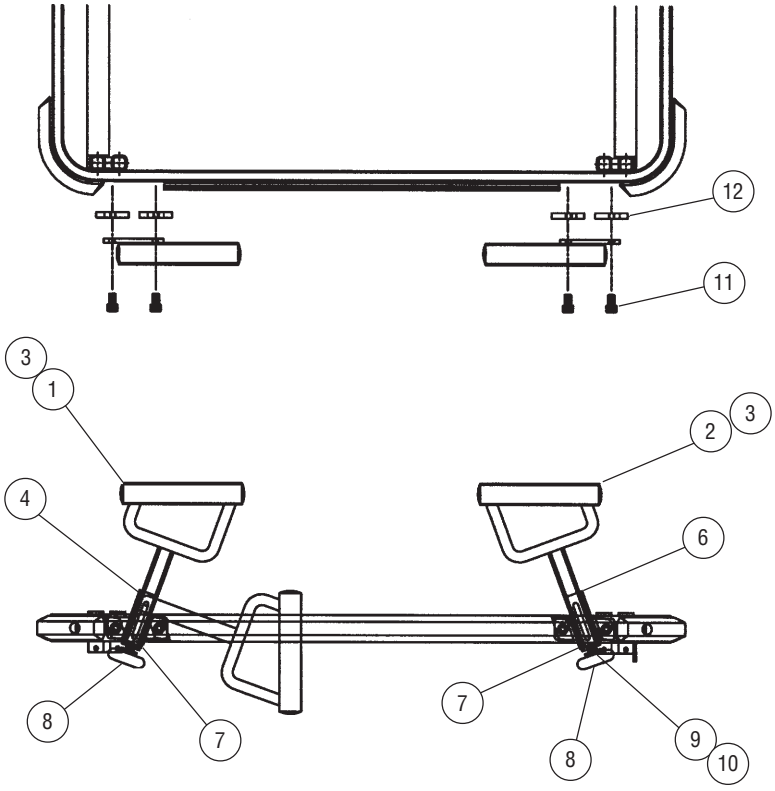


Figure 7-4. Push Handle Assembly

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-4			**PUSH HANDLE ASSEMBLY .....**	**X**
1	075631		ASSEMBLY, Push Handle “A”	1
2	075642		ASSEMBLY, Push Handle “B”	1
3	075637		WELDMENT, Push Handle	1
4	075633		BRACKET, Hinge “A”	1
5	075634		BRACKET, Hinge “B”	1
6	031118		PIN, Spring, 3/16" x 1"	1
7	075643		BUMPER, 1-3/4" Dia.	1
8	031364		WASHER, Flat, 1/4"	2
9	031055		NUT, Lock, 1/4-20	1
10	075657		SCREW, Socket Head Cap, 5/16-18 x 1/2" Long	4
11	066018		NUT, Channel, 5/16-18	4

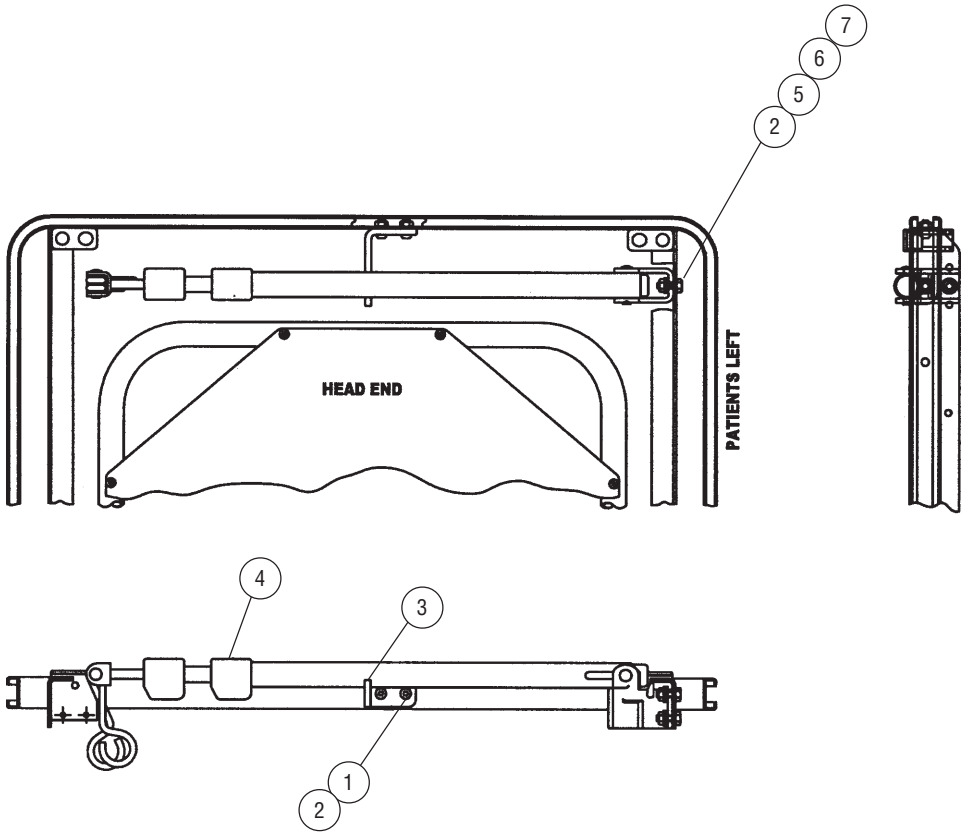


Figure 7-5. I.V. Rod Assembly

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-5			**I.V. ROD ASSEMBLY**	**X**
1	062038		SCREW, Button Head Cap, 1/4-20 x 5/8" Long	2
2	031055		NUT, Lock, 1/4-20	7
3	075568		SUPPORT, Bracket I.V. Rod	1
4	075545		ASSEMBLY, Trigger Style I.V. Rod	1
5	031137		SCREW, Hex Head Cap, 1/4-20 x 3/4" Long	2
6	031364		WASHER, Flat, 1/4"	2
7	030923		WASHER, Lock, 3/8"	2

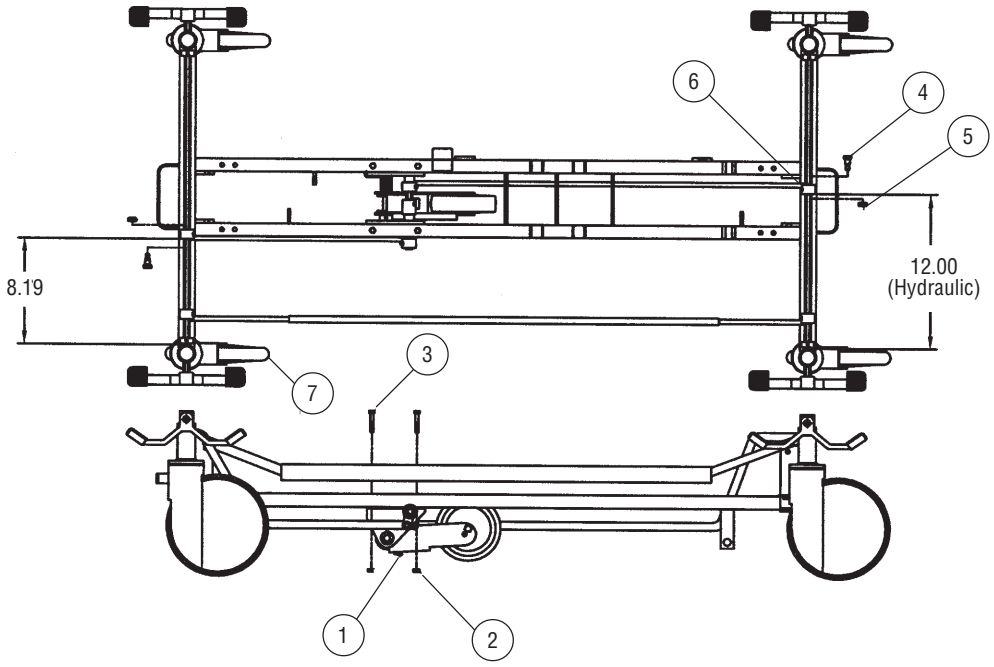


Figure 7-6. Fifth Wheel – Fixed Height Horizon

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-6			**FIFTH WHEEL – FIXED HEIGHT HORIZON**	**X**
1	075796		SUBASSEMBLY	1
2	031055		NUT, Lock, 1/4-20	4
3	031006		SCREW, Hex Head Cap, 1/42- x 1-1/2" Long	4
4	065807		BOLT, Shoulder, 3/8" x 3/8" Long	2
5	031057		NUT, Lock, 5/16"	2
6	062684		CAM	2
7	062672		CASTER, Tente, Brake	1

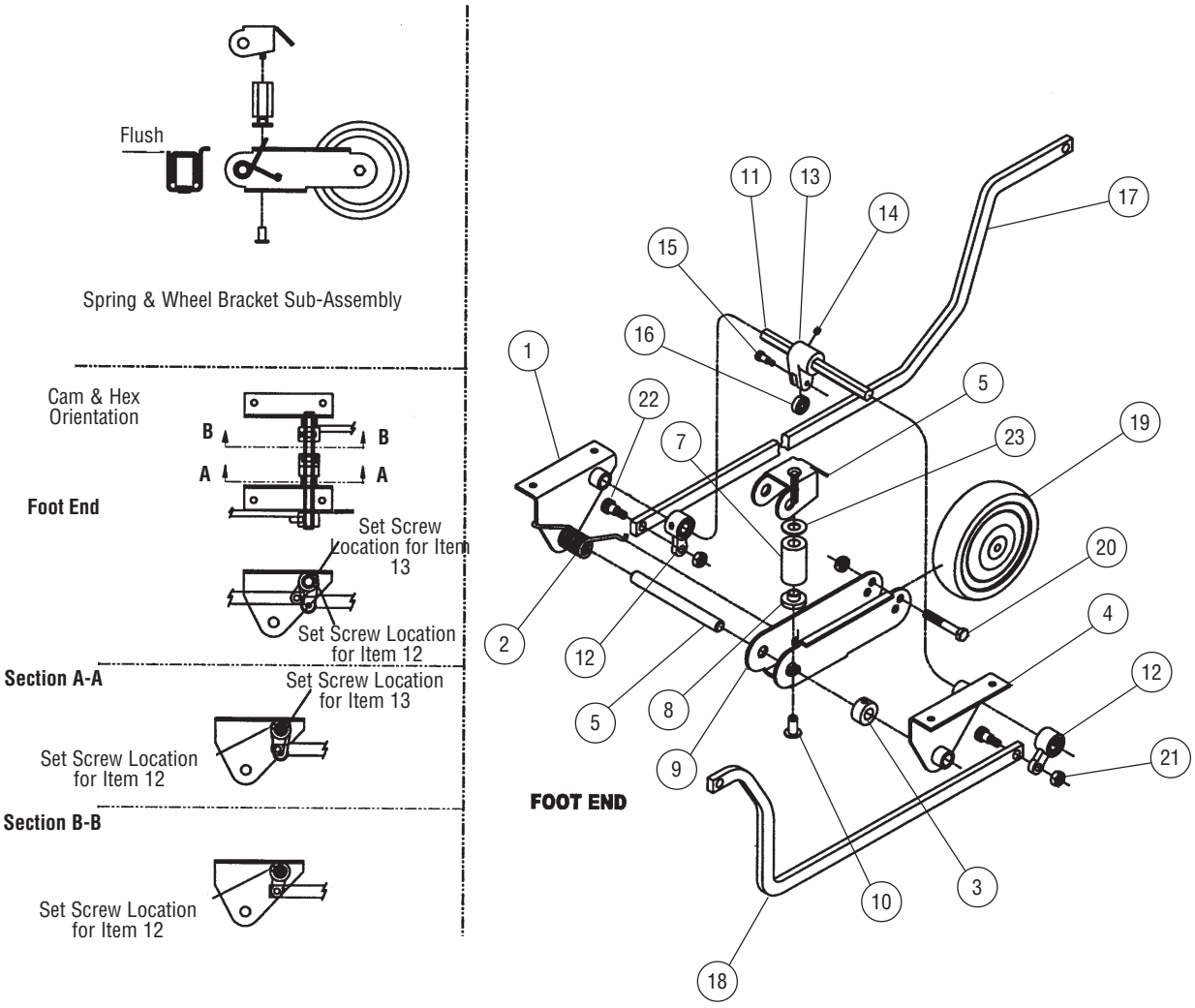


Figure 7-7. Fixed Height Horizon Sub-Assembly

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-7			**FIXED HEIGHT HORIZON SUB-ASSEMBLY**	**X**
1	075775		WELDMENT, Mounting Bracket, Left Hand	1
2	075771		SPRING, Torsion	1
3	011422		COLLAR	1
4	075776		WELDMENT, Mounting Bracket, Right Hand	1
5	075780		ROD, Pivot	1
6	075778		WELDMENT, Upper Bracket	1
7	075793		SPRING, Urethane	1
8	075779		SPRING, Retainer	1
9	075772		BRAKCET, Wheel	1
10	069154		NUT, Spoke	1
11	075781		ROD, Hex	1
12	062684		CAM	2
13	075782		CAM, Auto Track	1
14	067861		SCREW, Scket Set, 1/4-20 x 1/4" Long	1
15	075794		BOLT, Shoulder, 1/4" x 3/8" Long	1
16	075792		BEARING	1
17	075783		LINK, Long	1
18	075784		LINK, Short	1
19	075785		WHEEL, 5"	1
20	031334		SCREW, Hex Head Cap	1
21	031057		NUT, Lock, 5/16-18	3
22	065807		BOLT, shoulder, 3/8" x 3/8" Long	2
23	035119		WASHER, Nylon	1